



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)



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[Officers](#)

[Newsletter](#)

[E. Iowa DX Bulletin](#)

[Buy-Sell-Trade](#)

[DXCC Card Checking](#)

[About EIDX](#)

[History](#)

[Constitution & Bylaws](#)

[DX Resources](#)

The Eastern Iowa DX Bulletin

For September 15, 2023 to September 22, 2023

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article. The articles are ordered by the entity's *official* callsign prefix, callsigns used are in **bold**, and dates of operation are highlighted in **red**. Hot links are provided for QSL and other information wherever possible. Articles will remain in *The Bulletin* while active with a 5-week maximum.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Quick jump to:

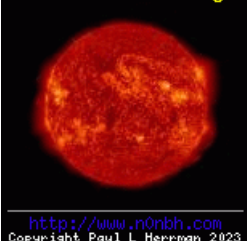
[Propagation](#)

[Contest Calendar](#)



Solar-Terrestrial Data

18 Sep 2023 1719 GMT
SFI: 145 SN: 88
A-Index: 16
K-Index: 4
X-Ray: C1.1
304A: 151.8 @ SEM
Ptn Flx: 10200
Etc Flx: 4120
Aurora: 1/n=1.99
Mag (Bz): -9.4
Solar Wind: 570.1
Geomag Field ACTIVE
Sig Noise Lvl S3-S4
Current Solar Image



<https://www.n0nbh.com>
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Solar data courtesy of:
Solar Data Banners & Widgets

3D2, ROTUMA. Darren, VK4MAP is QRV as **3D2RAT** until **September 29th**. Activity is holiday style on 80 to 10 meters using SSB. QSL direct to [VK4MAP](#).

-[ARRL DX Bulletin # 37 September 14, 2023] (0915-1006)

4L, GEORGIA. Giovanni, IW7EHC, stays in Georgia from **September until December** and operates as **4L/IW7EHC** from Batumi. QSL via [IW7EHC](#).

-[DXNL # 2369 August 30, 2023] (0901-1006)

4U/IT, ITU HQ. As part of WRC-23 Preparation, delegates are QRV as 4U1ITU in their spare time until the end of the month. Activity is on the HF bands. QSL via operators' instructions.

-[ARRL DX Bulletin # 37 September 14, 2023] (0915-1006)

4W, TIMOR-LESTE. Satoshi, JH2EUV is QRV as **4W/JH2EUV** from Dili until **October 13th**. Activity is in his spare time on 80 to 6 meters. QSL to [JH2EUV](#).

-[ARRL DX Bulletin # 37 September 14, 2023] (0915-1006)

5H, TANZANIA. Andre, OE8ASR will operate from Mbeya until September 20th as **5H7MP** in his free time on 17, 12 and 10m SSB. He does not send QSL cards.

-[DXNL # 2371 September 13, 2023] (0915-0922)

5Z, KENYA. Rick, MØLEP is QRV as **5Z4/MØLEP** and will be here during the month of September. Activity is on the HF bands. QSL via LoTW.

-[ARRL DX Bulletin # 36 September 7, 2023] (0908-0929)

6Y, JAMAICA. Dan, MØCVZ will sign **6Y5DH** from September 10th to 30th (10m - 40m, SSB). QSL via [ClubLog's OQRS](#) or eQSL.

-[DXNL # 2370 September 6, 2023] (0908-0929)

A2, BOTSWANA. Sajid, VA3QY plans to be QRV as **A22EW** until October 8th. Activity is on 20 to 10 meters, and possibly 6 meters, using CW and SSB. QSL via [KB2MS](#) or eQSL.

-[ARRL DX Bulletin # 36 September 7, 2023] (0908-1006)

A6, UNITED ARAB EMIRATES. Taking part in the celebrations of Saudi National Day (September 23rd), the Emirates Amateur Radio Society will operate special callsign **A6ØARS** on September 17th-23rd. QSL via [EA7FTR](#). Individual operators may append a serial number to the special callsign, and be QRV as A6ØARS/Ø, A6ØARS/1, etc. (see qrz.com for the QSL routes).

-[425DXN # 1689 September 16, 2023] (0915-0929)

A9, BAHRAIN. Also taking part in the celebrations of Saudi National Day, the Bahrain Amateur Radio Society will operate special callsign **A91ARS** on September 17th-23rd. QSL via [EC6DX](#).

-[425DXN # 1689 September 16, 2023] (0915-0929)

D4, CAPE VERDE. Harald, DF2WO will be QRV as **D44TWO** from Sao Tiago, IOTA AF-005, from September 2nd to 17th. Activity will be on the HF bands and 6 meters using CW, SSB, and FT8, and on Satellite QO-100. QSL via [MØOXO's OQRS](#).

-[ARRL DX Bulletin # 35 August 31, 2023] (0901-0922)

DL, GERMANY. The special event callsign **DP375WF** (DOK 375WF) will be activated by radio amateurs from and around Muenster to remember the 375-year anniversary of the Peace of Westphalia, ending the Thirty Years' War in 1648. An award is available; see <https://www.qrz.com/db/DP375WF>.

-[DXNL # 2371 September 13, 2023] (0915-1006)

DL, GERMANY. DARC Team SES will be active as **DL11ØRG** from September 1st to December 31st for the 100th anniversary of the German Life Saving Association (Deutsche Lebens-Rettungs-Gesellschaft, the largest voluntary water rescue organization in the world), and as **DL75BRD** from September 1st to June 30, 2024, for the 75th anniversary since the Basic Law for the Federal Republic of Germany (Grundgesetz fuer die Bundesrepublik Deutschland) came into effect (May 23, 1949). All QSOs will be confirmed automatically via the DARC bureau; direct cards via [DL2VFR](#).

-[425DXN # 1687 September 2, 2023] (0901-0922)

DL, GERMANY. Radio amateurs from Rostock are QRV with special callsign **DQ125LH** until the end of October to celebrate the 125th anniversary of the Lighthouse Warnemuende, DOK 125LH. QSL via bureau.

-[ARRL DX Bulletin # 33 August 17, 2023] (0818-0922)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of September 15, 2023:

1. P5	DPRK (North Korea)	11. 3Y/B	Bouvet Island
2. BS7H	Scarborough Reef	12. ZS8	Prince Edward & Marion Islands
3. CEØX	San Felix Islands	13. KH4	Midway Island
4. BV9P	Pratas Island	14. VKØM	Macquarie Island
5. KH7K	Kure Island	15. PYØS	Saint Peter And Paul Rocks

6. KH3	Johnston Island	16. PYØT	Trindade & Martim Vaz Islands
7. FT/G	Glorioso Island	17. KP5	Desecheo Island
8. 3Y/P	Peter 1 Island	18. VP8S	South Sandwich Islands
9. FT5/X	Kerguelen Island	19. KH5	Palmyra & Jarvis Islands
10. YVØ	Aves Island	20. ZL9	New Zealand Subantarctic Islands

For the complete list, see <https://clublog.org/mostwanted.php>
 -[KØCF September 15, 2023] (0915-0929)

EA6, BALEARIC ISLANDS. Andreas, DK5ON will be active from Mallorca Island (EU-004, ARLHS BAL-010 / WLOTA 1902) as **EA6/DK5ON** (6m - 40m, CW, SSB, digital) from **September 14th to 28th**. QSL via [DK5ON](#), LoTW or [ClubLog's OQRS](#).
 -[DXNL # 2371 September 13, 2023] (0915-0929)

EA8, CANARY ISLANDS. Marc, DL1BU will be QRV as **EA8/DL1BU** from Gran Canaria, IOTA AF-004, from **September 3rd to 17th**. Activity will be holiday style on the HF bands. QSL to [DL1BU](#).
 -[ARRL DX Bulletin # 35 August 31, 2023] (0901-0922)

EI, IRELAND. Beginning **September 1st until August 31, 2024**, **EI4FOTA** will be active from all around Ireland - including SOTA and POTA locations, UNESCO World Heritage Sites, lighthouses and IOTA islands. Apparently the first operation will be on **September 17th-24th** from the Giant's Causeway - which is in Northern Ireland (GI), though; then on **October 5th-15th** from the Blasket Islands (EU-007). More information can be found on <https://www.qrz.com/db/EI4FOTA>.
 -[425DXN # 1687 September 2, 2023] (0901-0922)

F, FRANCE. Special event station **TM23RUGB** will be QRV from Tonneins from **September 10th to 13th**, next on **September 21st to 24th**, and then on **October 16th to 22nd**, during the Rugby World Cup. Activity will be on the HF bands. QSL via [F5KHG](#).
 -[ARRL DX Bulletin # 36 September 7, 2023] (0908-0929)

GD, ISLE OF MAN. Torsten, [DL4APJ](#) and Udo, [DL2AQI](#) will be active holiday style as **MD/DL4APJ** and **MD/DL2AQI** from the Isle of Man (EU-116) on **September 10th-19th**. They will operate CW, SSB and digital modes on 80-10 meters. QSL via home calls; MD/DL4APJ will also upload his log to LoTW, eQSL, and ClubLog.
 -[425DXN # 1687 September 2, 2023] (0908-0922)

HZ, SAUDI ARABIA. Special callsigns **HZ93ND**, **7Z93ND** and **8Z93ND** will be used by the Saudi Amateur Radio Society (HZ1SAR) to celebrate Saudi National Day on **September 10th-25th**. The logs will be uploaded to ClubLog. See [qrz.com](#) for more information. Based on the number of lunar years, Saudi National Day commemorates the renaming of the Kingdom of Nejd and Hejaz to the Kingdom of Saudi Arabia (September 23, 1932). Other national societies of Gulf Cooperation Council's neighboring countries that might join the celebrations include the Kuwait Amateur Radio Society as **9K9KSA** (QSL via [EC6DX](#)), and the Royal Omani Amateur Radio Society as **A43KSA**. QSL via [EC6DX](#).
 -[425DXN # 1689 September 16, 2023] (0915-0929)

I, ITALY. Six ARI Monte Grappa members (IK3BSM, IK3QEZ, IU3FBL, IU3GJD, IU3QNW and IZ3ZBP) will be active as **IQ3RP/3** from Fisolo Island (EU-131) on **September 16th**. They will operate mainly SSB on 40m.
 -[425DXN # 1688 September 9, 2023] (0915-0922)

I, ITALY. Celebrating the centenary of the National Park of Abruzzo, Lazio and Molise, special callsign **II6PN** will be in use from **August 1st until October 31st**, with main activity expected to take place on **September 1st-17th**. QSL via [ClubLog's OQRS](#), LoTW, eQSL, or via [IK6IHU](#). A certificate will be available, see <https://www.qrz.com/db/II6PN> for the details.

-[425DXN # 1682 July 29, 2023] (0901-0922)

K, UNITED STATES. Members of the Port City Amateur Radio Club (W1WQM) will be active as **K1W** from White Island, Isles of Shoals (NA-217) on **September 16th-25th**. QSL via [K1RX](#).

-[425DXN # 1688 September 9, 2023] (0915-0929)

K, UNITED STATES. Organized by the Citrus Belt ARC, the 24th annual Route 66 On The Air special event celebrates the historic US Highway 66. A large number of amateur radio stations using 1x1 callsigns in the **W6A-W6Z** series will operate from cities along the "Mother Road" on **September 9th-17th**. See <https://w6jbt.org/> for information about the event, participating stations and QSL routes.

-[425DXN # 1687 September 2, 2023] (0908-0922)

KH2, GUAM. Uli, DL2AH closed down his station on Rota (**KHØ/DL2AH**) on September 14th and now moves on to Guam (OC-026), where he expects to be QRV starting **September 16th for two weeks**. His focus will be on FT8 and FT4 operation on 20m - 10m. QSL via [DL2AH](#).

-[DXNL # 2371 September 13, 2023] (0915-0929)

OHØ, ALAND ISLANDS. Operators PA2A, PE1NYQ, PG2K and PAØVHA will be QRV as **OHØRY** from Mellanon Island from **September 17th to 30th**. Activity will be on the HF bands. This includes being an entry in the upcoming CQ World Wide RTTY DX Contest. QSL via operators' instructions.

-[ARRL DX Bulletin # 37 September 14, 2023] (0915-1006)

ON, BELGIUM. Special callsign **OP1ØKF** marks the 10th anniversary of King Philippe's coronation **during September**. An award is also available: <https://www.onz.be/op10kf-award-request/>. QSL via bureau, eQSL.

-[DXNL # 2369 August 30, 2023] (0901-0929)

ON, BELGIUM. Special event station **ØØ35ATH** is QRV during the **month of September** to celebrate the 35th anniversary of the Radio Club de Ath. QSL via operators' instructions.

-[ARRL DX Bulletin # 35 August 31, 2023] (0901-0929)

OX, GREENLAND. Joe OZØJ will be QRV from Maniitsog Island (NA-220) from **September 15th to 21st** and operate as **OXØJ** with vertical antennas from 10 to 80m. More information on <https://ox0j.oz0j.dk/>. QSL via [OZØJ](#), [ClubLog's OQRS](#) or LoTW.

-[DXNL # 2371 September 13, 2023] (0915-0922)

ØZ, DENMARK. Dieter, DF2SD will be active as **ØV9R** from Fano Island (EU-125) and National Park Vadehavet from **September 16th to 30th**, including an entry in the CQ WW RTTY DX Contest. QSL via [ClubLog's OQRS](#), LoTW and eQSL.

-[425DXN # 1689 September 16, 2023] (0915-0929)

ØZ, DENMARK. Jan-Willem PA7JWC (**5Q7DX**), Maarten PD2R (**ØV2T**) and Sven PA1SVM (**ØZ/ PA1SVM**) will be active from Saeby, Vendsyssel-Thy (North Jutland, EU-171) on **September 12th-19th**. They will operate CW, SSB and FT8 on 160-2m. QSL 5Q7DX via [PA7JWC](#) and LoTW (preferred), and log search on ClubLog; QSL ØV2T via [PAØABM](#) and LoTW (preferred).

-[425DXN # 1686 August 26, 2023] (0908-0922)

PACIFIC TRIP. Uli, DL2AH is going to be active again from the Pacific:

KH2/DL2AH	Guam (OC-026), September 16th – 30th
V7...	Majuro (OC-029), Marshall Is. October 3rd – 15th
V63AH	Kosrae (OC-059), Micronesia October 18th – 30th

He will operate SSB and FT8 on 80-6 meters. QSL via LoTW, eQSL, or direct to [DL2AH](#).

-[425DXN # 1685 August 19, 2023] (0915-1103)

PJ2, CURACAO. Gabor, HA3JB will be QRV as **PJ2/HA3JB** from **September 16th to 26th**. Activity will be on 80 to 6 meters using CW, SSB, RTTY, and FT8. This includes being an entry in the upcoming CQ World Wide RTTY DX contest. QSL direct to [HA3JB](#).

-[ARRL DX Bulletin # 37 September 14, 2023] (0915-1006)

PJ2, CURACAO. Jeff, K8ND is QRV as **PJ2ND** from Signal Point **until mid-October**. Activity is on 160 to 10 meters using CW and SSB. He may be active as **PJ2T** in upcoming contests. QSL PJ2ND via [K8ND](#) and PJ2T via [KU9C](#).

-[ARRL DX Bulletin # 35 August 31, 2023] (0901-1006)

SM, SWEDEN. Frank, DHØJAE will be on Hanoe (EU-138, ARLHS SWE 027, JO76ka) from September 18th to 24th and operate CW/SSB on the HF bands as **SM/DHØJAE**. QSL via [DHØJAE](#) or [ClubLog's OQRS](#).

-[DXNL # 2371 September 13, 2023] (0915-0929)

SM, SWEDEN. Previously active as SD7M/6 and SD7W/6 from Orust Island (EU-043), Gaby, DF9TM and Frank, DL2SWW will be QRV as **SD7M** and **SD7W**, respectively, from Oland Island (EU-037) on **September 7th-17th**. They also have Sturko Island (EU-138) "in preparation". All QSOs will be uploaded to ClubLog and confirmed automatically via the bureau.

-[425DXN # 1688 September 9, 2023] (0908-0922)

SV, GREECE. Members of the Salamis Radio Amateur Group will be QRV with special call **SX48ØSNB** from **September 16th to 30th** to commemorate the 480 BC Battle of Salamis. QSL on LoTW.

-[ARRL DX Bulletin # 37 September 14, 2023] (0915-1006)

SV5, DODECANESE. Claudio, HB9OAU is QRV as **SV5/HB9OAU** from Karpathos Island (EU-001) **until September 21st**. Activity is on 80 to 10 meters using CW, SSB, and FT8. QSL via LoTW or direct to [HB9OAU](#).

-[ARRL DX Bulletin # 36 September 7, 2023] (0908-0922)

SV9, CRETE. John, SV9CJO is QRV as special event station **SV9/J43ND** during **all of September** representing a social action against drugs. QSL via LoTW.

-[ARRL DX Bulletin # 35 August 31, 2023] (0901-0929)

T2, TUVALU. The Rebel DX Group (<https://www.facebook.com/rebeldxgroup>) will be active as **T22T** from Tuvalu (OC-015) from **September 21st to October 9th**. Plans are to have up to ten stations QRV on 160-6m FT8 (seven stations operating either F/H and normal mode), CW (two stations) and SSB (one station). See <https://www.qrz.com/db/T22T> for the band plan. QSL via [ClubLog's OQRS](#).

-[425DXN # 1687 September 2, 2023] (0915-1013)

T32, EASTERN KIRIBATI. Ken, KH6QJ is QRV as **T32AZ** from Kiritimati, IOTA OC-024, **until October 17th**. QSL to [KH6QJ](#).

-[ARRL DX Bulletin # 35 August 31, 2023] (0901-1006)

T8, PALAU. JR3QFB, JO3LVG and JM1LIG will be active as **T88JH**, **T88MK** and **T88FM** respectively from **September 12th to 19th**. QSL T88FM, T88MK via [JO3LVG](#), T88JH via [JR3QFB](#).

-[DXNL # 2370 September 6, 2023] (0908-0922)

TF, ICELAND. George, K5KG and Charles, K1XX will be QRV as **TF/K5KG** and **TF/K1XX**,

respectively, from **September 11th to 18th**. Activity will be on the HF bands. They also plan to be active as part of the TF3D Multi/Multi team in the upcoming Scandinavia Activity CW contest. QSL via LoTW.

-[ARRL DX Bulletin # 36 September 7, 2023] (0908-0922)

TI, COSTA RICA. Members of The Radio Club of Costa Rica (TIØRC) are QRV with special call sign **TI7ØRC** during **September** to celebrate the club's 70th anniversary. QSL via LoTW.

-[ARRL DX Bulletin # 35 August 31, 2023] (0901-0929)

TK, CORSICA. Thomas, DL1ASA is QRV as **TK/DL1ASA/p** for the **next few weeks**. He will also try to be active from IOTA EU-164, various SOTA, WWFF, and various Lighthouse references. Activity is holiday style on the HF bands. QSL to [DL1ASA](#).

-[ARRL DX Bulletin # 36 September 7, 2023] (0908-0929)

V6, MICRONESIA. Operating under their individual callsigns, a group from Japan will be active from Weno Island (OC-011), Micronesia on **September 18th-21st**: **V6AAA** (QSL via LoTW), **V6C** (QSL direct to [JH1NBN](#)), **V6WW** (QSL direct to [JA2NQG](#)), **V6Z** (QSL via LoTW), **V63FM** (QSL via [J12UAY](#)), **V63OS** (QSL via LoTW), **V63SX** (QSL via LoTW), **V63VB** (QSL via LoTW) and **V63Z** (QSL via LoTW). Activity will be on 160 to 6 meters using CW, SSB, RTTY and FT8.

-[425DXN # 1688 September 9, 2023] (0915-0922)

V7, MARSHALL ISLANDS. Bob, N7XR plans to be QRV as **V73XR** from Kwajalein, IOTA OC-028, **beginning in September and active for three months**. QSL via [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 35 August 31, 2023] (0901-0929)

VK, AUSTRALIA. Previously active from Bruny Island (OC-233), John, **VK1POR** is now a resident volunteer caretaker on Deal Island (OC-195) **until December 1st**. He is fond of "the new digital modes" and uploads his log to eQSL and LoTW.

-[425DXN # 1687 September 2, 2023] (0901-0922)

VK, AUSTRALIA. Operated by a number of YL operators in Tasmania (VK7) and around the rest of Australia, special callsign **VI7ALARA** is active on the HF bands **until November 8th** to mark the Australian Ladies Amateur Radio Association's meet (<http://www.alara.org.au/>) to be held in Hobart. QSL via [ClubLog's OQRS](#).

-[425DXN # 1686 August 26, 2023] (0825-0929)

VK9L, LORD HOWE ISLAND. Bob, W7YAQ and Al, K7AR will be active as **VK9LAA** from Lord Howe Island (OC-004) from **September 20 to October 4**, including an entry in the CQ WW RTTY DX Contest (September 23-24). They will run two stations on 160-6 meters. QSL via [ClubLog's OQRS](#), LoTW, or via [W7YAQ](#).

-[425DXN # 1685 August 19, 2023] (0915-1006)

VP6, PITCAIRN ISLAND. Meralda, **VP6MW** is generally active on 17, 15, 12, and 10 meters using FT8 between 2130 and 2300z. QSL via [WØVTT](#).

-[ARRL DX Bulletin # 35 August 31, 2023] (0901-0922)

XE, MEXICO. Special event station **6EØG** is QRV **until December 17th** during the Ghost Towns on the Air event. QSL via [XE1EE](#).

-[ARRL DX Bulletin # 33 August 17, 2023] (0818-0922)

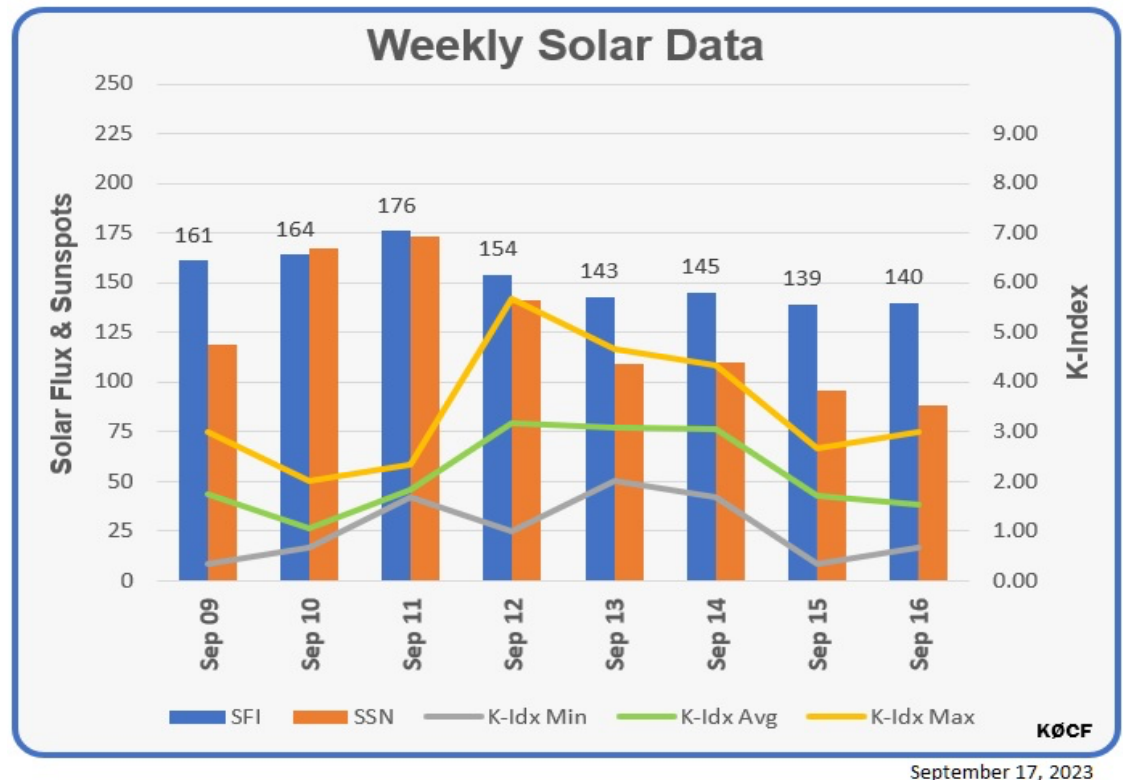
XV, VIET NAM. Greg, **XV9BPO** was active on 15 meters using CW around 1500z. QSL via [EA5GL](#).

-[ARRL DX Bulletin # 37 September 14, 2023] (0915-1006)

YI, IRAQ. Sam, ex YI1WWA, is now QRV with the new call sign **YI1YY**. Activity is on 40 to 10 meters using SSB. QSL via [IK2DUW](#) or [ClubLog's OQRS](#).

ZL7, CHATHAM ISLANDS. Holger, ZL3IO will be active as **ZL7IO** from Waitangi, Chatham Islands (OC-038) on **September 15th-29th**, hopefully including an entry in the CQ WW DX RTTY Contest (September 23rd-24th). "Station set up will likely take a number of days", he says, but eventually he expects to be QRV on 160-10 meters CW, RTTY, SSB, FT8 and FT4. He plans to return at the end of October (CQ WW DX SSB), and at the end of November (CQ WW DX CW). QSL via LoTW, [ClubLog's OQRS](#), or via [DK7AO](#).
-[425DXN # 1687 September 2, 2023] (0915-0929)

Propagation



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (K-Idx) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

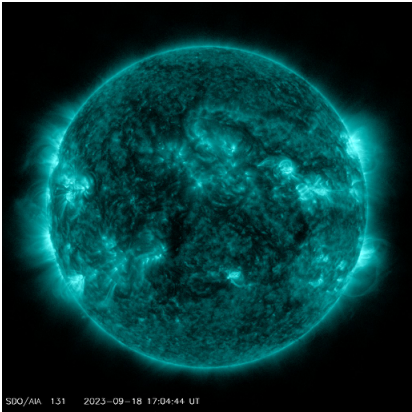
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the

image to view as a full screen 48-hour video loop. It is fascinating!



Propagation Summary

For the 8 day period from Saturday, September 9th through yesterday, September 16th.

The average solar flux was up 3 points from the previous week, with a weekly high of 176 on Monday, September 11th, followed by a low of 139 on September 15th.

The average sunspot count was up by 11 points for the week, peaking at 173 on Monday, September 11th followed by a weekly low of 88 on September 16th.

The Planetary K-index weekly average was 3.5 and the maximum was 5.7 on Tuesday, September 12th, resulting in minor geomagnetic storm conditions.

Solar flare activity since September 9th has been high with 11 flares, the largest of which was an M 3.4 event on Saturday, September 16th.

Propagation Data

Major solar flares, Saturday, September 9th through 0245 UTC, September 17.

#	Date	UTC	Mag.
1	Sep 16	0538	M 3.4
2	Sep 16	0050	M 2.9
3	Sep 15	2229	M 1.7
4	Sep 14	2126	M 2.5
5	Sep 14	1931	M 1.9
6	Sep 14	0745	M 1.4
7	Sep 12	0707	M 2.5
8	Sep 12	0426	M 1.9
9	Sep 11	1449	M 1.1
10	Sep 11	0407	M 1.1
11	Sep 11	0128	M 1.3

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Sep 17	35%	5%	145

Sep 18	25%	1%	140
Sep 19	25%	1%	135

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA once a week on Monday.

Date	Flux	Kp
Sep 17	165	2
Sep 18	160	2
Sep 19	155	2
Sep 20	150	2

Date	Flux	Kp
Sep 21	145	2
Sep 22	145	2
Sep 23	150	4
Sep 24	150	2

Date	Flux	Kp
Sep 25	145	2
Sep 26	140	2
Sep 27	140	2
Sep 28	135	3

Highs for Cycle 25

Solar Flux: 234 on January 15, 2023.

Sunspots: 227 on July 11, 2023.

Favorite Propagation web sites

Excellent Maximum Usable Frequency map: <https://prop.kc2g.com/>
<https://www.spaceweather.com/>
<https://www.solarham.net/>
<https://dx.qsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

-[Compiled from information on NOAA.gov and other sources]

Selected Upcoming Contests

Contest	Start		End		Web Site
Scandinavian Activity Contest, CW	Sep 16	1200Z	Sep 17	1200Z	Rules
Iowa QSO Party	Sep 16	1400Z	Sep 17	0200Z	Rules
Texas QSO Party	Sep 16	1400Z	Sep 17	0200Z	Rules
	Sep 17	1400Z	Sep 17	2000Z	
Wisconsin Parks on the Air	Sep 16	1600Z	Sep 16	2300Z	Rules
Washington State Salmon Run	Sep 16	1600Z	Sep 17	0700Z	Rules
	Sep 17	1600Z	Sep 17	2400Z	
New Jersey QSO Party	Sep 16	1600Z	Sep 17	0359Z	Rules
New Hampshire QSO Party	Sep 16	1600Z	Sep 16	2200Z	Rules
	Sep 17	1600Z	Sep 17	2200Z	
North American Sprint, RTTY	Sep 17	0000Z	Sep 17	0400Z	Rules
CQ Worldwide DX Contest, RTTY	Sep 23	0000Z	Sep 24	2400Z	Rules
Maine QSO Party	Sep 23	1200Z	Sep 24	1200Z	Rules
UK/EI DX Contest, SSB	Sep 30	1200Z	Oct 1	1200Z	Rules
Collegiate QSO Party	Oct 7	0000Z	Oct 8	2359Z	Rules
Oceania DX Contest, Phone	Oct 7	0600Z	Oct 8	0600Z	Rules
Russian WW Digital Contest	Oct 7	1200Z	Oct 8	1159Z	Rules
California QSO Party	Oct 7	1600Z	Oct 8	2200Z	Rules
Makrothen RTTY Contest	Oct 14	0000Z	Oct 14	0800Z	Rules
	Oct 14	1600Z	Oct 14	2400Z	
	Oct 15	0800Z	Oct 15	1600Z	
Nevada QSO Party	Oct 14	0300Z	Oct 15	2100Z	Rules
Oceania DX Contest, CW	Oct 14	0600Z	Oct 15	0600Z	Rules
Scandinavian Activity Contest, SSB	Oct 14	1200Z	Oct 15	1200Z	Rules
Arizona QSO Party	Oct 14	1500Z	Oct 15	0500Z	Rules
Pennsylvania QSO Party	Oct 14	1600Z	Oct 15	0400Z	Rules
	Oct 15	1300Z	Oct 15	2200Z	
South Dakota QSO Party	Oct 14	1800Z	Oct 15	1800Z	Rules
ARRL School Club Roundup	Oct 16	1300Z	Oct 20	2359Z	Rules
JARTS WW RTTY Contest	Oct 21	0000Z	Oct 22	2400Z	Rules
10-10 Int. Fall Contest, CW	Oct 21	0001Z	Oct 22	2359Z	Rules
New York QSO Party	Oct 21	1400Z	Oct 22	0200Z	Rules
YLRL DX/NA YL Anniversary Contest	Oct 21	1400Z	Oct 23	0200Z	Rules
Stew Perry Topband Challenge	Oct 21	1500Z	Oct 22	1500Z	Rules
Illinois QSO Party	Oct 22	1700Z	Oct 23	0100Z	Rules

CQ Worldwide DX Contest, SSB	Oct 28	0000Z	Oct 29	2359Z	Rules
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-[Contest data courtesy of the [WA7BNM Contest Calendar](#)]